



SPECIFICATIONS, MODEL 4112B

LINE OPERATED CURRENT SOURCE POWER UNIT WITH GAINS x1, x10 & x100

SPECIFICATIONS	VALUE	UNITS
VOLTAGE GAIN, +/- 1% [1] (Switch selectable)	x1 x10 x100	1.00 10.00 100.0
LINEARITY	+/- 1	%F.S.
FREQUENCY RESPONSE (+/- 3db) [2]	x1 x10 x100	.16 to 200K Hz .16 to 60K Hz .16 to 6K Hz
OUTPUT NOISE, BROADBAND RMS	x1 x10 x100	0.2 mV, 0.5 mV, RMS 4.0 mV, RMS
FULL SCALE OUTPUT VOLTAGE SWING, MIN.	+/- 5	VOLTS
MAXIMUM OUTPUT VOLTAGE SWING	+/- 10	VOLTS
SENSOR DRIVE CURRENT, FIXED	4.0	mA
SENSOR EXCITATION (COMPLIANCE) VOLTAGE	+20	VOLTS, DC
BIAS MONITOR METER, FRONT PANEL [3]	10 SEGMENT LED BAR GRAPH	
OVERLOAD INDICATOR, RED LED, FRONT PANEL	GLOWS WHEN OUTPUT VOLTAGE SWINGS TO WITHIN .5 VOLT OF RAIL	
SENSOR CONNECTOR, REAR PANEL [4]	BNC	JACK
OUTPUT CONNECTOR, REAR PANEL [4]	BNC	JACK
LINE VOLTAGE, STD. VERSION	115	VAC, 50-60Hz
LINE VOLTAGE, EXPORT 'E' VERSION [5]	230	VAC
LINE FUSE, 3AG	1/4	AMP
LINE CORD	3-WIRE	6 FEET
WEIGHT, INCL. OUTER CASE	880/32	GRAMS/OUNCES
SIZE, H x W x D [6]	5.5 x 1.7 x 8.0 140 x 43 x 203	INCHES mm

[1] Measured at 1000 Hz, 1.00 Volt RMS output amplitude.

[2] Measured with ten feet of input (Sensor) cable. Longer cables will degrade high frequency in accordance with the length and capacitance per foot.

[3] The LED array monitor meter reads the voltage bias of the sensor. Normal operation will illuminate one of the central bars. No sensor connected or an open sensor or cable will light the right hand bar. A shorted sensor or cable will light the left hand bar.

[4] Connectors are case ground isolated.

[5] The export version is designated E4112B It operates from 230 VAC, 50 to 60 Hz.

[6] Unit may be mounted in a 19 inch wide X 5.25 inch high standard RTMA equipment rack by removing the in outer case and mounting in a Dytran Model 4200 rack adaptor. This rack adaptor holds up to 10 units.